

SEQUENCE LISTING

<110> Masakazu Takeuchi
Yoshimi Takai

<120> Rabconnectin-3-binding protein

<130>

<150> JP 2002-319521

<151> 2002-11-01

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Ala Pro Thr His Cys Ile Ser Ala Val Leu Leu Thr Asp Asp Gly Ala	
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Thr Ile Val Thr Gly Cys His Asp Gly Gln Ile Cys Leu Trp Asp Leu	
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tca gta gaa ctg caa att aat cct cga gca ctg ttg ttt ggt cat aca	192
Ser Val Glu Leu Gln Ile Asn Pro Arg Ala Leu Leu Phe Gly His Thr	
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gca tca atc act tgt ttg tct aaa gct tgt gct tcc agt gac aaa cag	240
Ala Ser Ile Thr Cys Leu Ser Lys Ala Cys Ala Ser Ser Asp Lys Gln	
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tat att gtg agt gca tct gaa agt gga gag atg tgc ctc tgg gat gtg	288
Tyr Ile Val Ser Ala Ser Glu Ser Gly Glu Met Cys Leu Trp Asp Val	
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Ser Asp Gly Arg Cys Ile Glu Phe Thr Lys Leu Ala Cys Thr His Thr	
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ggc ata cag ttc tac cag ttc tct gtt ggg aat cag cga gaa gga agg	384
Gly Ile Gln Phe Tyr Gln Phe Ser Val Gly Asn Gln Arg Glu Gly Arg	
115 120 125	
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Leu Leu Cys His Gly His Tyr Pro Glu Ile Leu Val Val Asp Ala Thr	
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Ile Ser Ser Met Ser Ile Ile Arg Ser His Arg Thr Gln Glu Asp Thr	
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Val Val Ala Leu Ser Val Thr Gly Ile Leu Lys Val Trp Ile Val Thr	
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Ser Glu Ile Ser Asp Met Gln Asp Thr Glu Pro Ile Phe Glu Glu Glu	
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Ser Lys Pro Ile Tyr Cys Gln Asn Cys Gln Ser Ile Ser Phe Cys Ala	
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Phe Thr Gln Arg Ser Leu Leu Val Val Cys Ser Lys Tyr Trp Arg Val	
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Phe Asp Ala Gly Asp Tyr Ser Leu Leu Cys Ser Gly Pro Ser Glu Asn	
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Gly Gln Thr Trp Thr Gly Gly Asp Phe Val Ser Ser Asp Lys Val Ile	
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Ile Trp Thr Glu Asn Gly Gln Ser Tyr Ile Tyr Lys Leu Pro Ala Ser	
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Cys Leu Pro Ala Ser Asp Ser Phe Arg Ser Asp Val Gly Lys Ala Val	
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Glu Asn Leu Ile Pro Pro Val Gln His Ile Leu Leu Asp Arg Lys Asp	
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Lys	Glu	Leu	Leu	Ile	Cys	Pro	Pro	Val	Thr	Arg	Phe	Phe	Tyr	Gly	Cys	
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Arg	Glu	Tyr	Phe	His	Lys	Leu	Leu	Ile	Gln	Gly	Asp	Ser	Ser	Gly	Arg	
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Glu	Gly	Leu	Ala	Met	Thr	Thr	Ser	Ile	Ser	Leu	Gln	Glu	Ala	Phe	Asp	
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Lys	Leu	Asn	Pro	Cys	Pro	Ala	Gly	Ile	Ile	Asp	Gln	Leu	Ser	Val	Ile	
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ccc	aat	agt	aat	gaa	cct	ctt	aaa	gta	act	gca	agt	gtg	tac	ata	cca	1248
Pro	Asn	Ser	Asn	Glu	Pro	Leu	Lys	Val	Thr	Ala	Ser	Val	Tyr	Ile	Pro	
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Ala	His	Gly	Arg	Leu	Val	Cys	Gly	Arg	Glu	Asp	Gly	Ser	Ile	Val	Ile	
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gta	cct	gcc	aca	cag	acg	gcc	ata	gta	cag	ctg	ttg	caa	ggg	gaa	cac	1344
Val	Pro	Ala	Thr	Gln	Thr	Ala	Ile	Val	Gln	Leu	Leu	Gln	Gly	Glu	His	
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Met	Leu	Arg	Arg	Gly	Trp	Pro	Pro	His	Arg	Thr	Leu	Arg	Gly	His	Arg	
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aac	aaa	gtc	aca	tgt	ttg	cta	tat	cct	cat	cag	gtc	tca	gct	cgg	tat	1440
Asn	Lys	Val	Thr	Cys	Leu	Leu	Tyr	Pro	His	Gln	Val	Ser	Ala	Arg	Tyr	
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Asp	Gln	Arg	Tyr	Leu	Ile	Ser	Gly	Gly	Val	Asp	Phe	Ser	Val	Ile	Ile	
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Trp	Asp	Ile	Phe	Ser	Gly	Glu	Met	Lys	His	Ile	Phe	Cys	Val	His	Gly	
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Gly	Glu	Ile	Thr	Gln	Leu	Leu	Val	Pro	Pro	Glu	Asn	Cys	Ser	Ala	Arg	
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gta	cag	cac	tgc	atc	tgc	tct	gta	gcc	agt	gac	cac	tca	gta	gga	ctt	1632
Val	Gln	His	Cys	Ile	Cys	Ser	Val	Ala	Ser	Asp	His	Ser	Val	Gly	Leu	
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cta	agt	ttg	cga	gag	aaa	aaa	tgc	ata	atg	ttg	gca	tct	cgt	cac	ctt	1680
Leu	Ser	Leu	Arg	Glu	Lys	Lys	Cys	Ile	Met	Leu	Ala	Ser	Arg	His	Leu	

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Phe Pro Ile Gln Val Ile Lys Trp Arg Pro Ser Asp Asp Tyr Leu Val				
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Val Gly Cys Ser Asp Gly Ser Val Tyr Val Trp Gly				
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gca ttg gat cgt tgt gtg atg ggg ata aca gca gtt gag att cta aac				1824
Ala Leu Asp Arg Cys Val Met Gly Ile Thr Ala Val Glu Ile Leu Asn				
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Ala Cys Asp Glu Ala Val Pro Ala Ala Val Asp Ser Leu Ser His Pro				
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Ala Val Asn Leu Lys Gln Ala Met Thr Arg Arg Ser Leu Ala Ala Leu				
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Lys Asn Met Ala His His Lys Leu Gln Thr Leu Ala Thr Asn Leu Leu				
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Ala Ser Glu Ala Ser Asp Lys Gly Asn Leu Pro Lys Tyr Ser His Asn				
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Ser Leu Met Val Gln Ala Ile Lys Thr Asn Leu Thr Asp Pro Asp Ile				
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cat gtg cta ttc ttt gat gtg gaa gcg ttg att att caa ctc ctg act				2112
His Val Leu Phe Phe Asp Val Glu Ala Leu Ile Ile Gln Leu Leu Thr				
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Glu Glu Ala Ser Arg Pro Asn Thr Ala Leu Ile Ser Pro Glu Asn Leu				
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Gln Lys Ala Ser Gly Ser Ser Asp Lys Gly Gly Ser Phe Leu Thr Gly				
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aaa cga gca gca gtt ctc ttc caa caa gtg aaa gaa acg atc aaa gag				2256
Lys Arg Ala Ala Val Leu Phe Gln Gln Val Lys Glu Thr Ile Lys Glu				
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aac atc aag gaa cac ctc ctt gat gat gaa gag gag gat gag gag ata				2304
Asn Ile Lys Glu His Leu Leu Asp Asp Glu Glu Glu Asp Glu Glu Ile				
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Met Arg Gln Arg Arg Glu Glu Ser Asp Pro Glu Tyr Arg Ser Ser Lys				
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Ser Lys Pro Leu Thr Leu Leu Glu Tyr Asn Leu Thr Met Asp Thr Ala	
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Lys Leu Phe Met Ser Cys Leu His Ala Trp Gly Leu Asn Glu Val Leu	
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Asp Glu Val Cys Leu Asp Arg Leu Gly Met Leu Lys Pro His Cys Thr	
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Val Ser Phe Gly Leu Leu Ser Arg Gly Gly His Met Ser Leu Met Leu	
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Pro Gly Tyr Asn Gln Pro Ala Cys Lys Leu Ser His Gly Lys Thr Glu	
850 855 860	
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Val Gly Arg Lys Leu Pro Ala Ser Glu Gly Val Gly Lys Gly Thr Tyr	
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Gly Val Ser Arg Ala Val Thr Thr Gln His Leu Leu Ser Ile Ile Ser	
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Leu Ala Asn Thr Leu Met Ser Met Thr Asn Ala Thr Phe Ile Gly Asp	
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cat atg aag aag ggt cct acc agg cca cct aga cca agc acc cca gac	2784
His Met Lys Lys Gly Pro Thr Arg Pro Pro Arg Pro Ser Thr Pro Asp	
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Gly Gln Ile Lys Gln Val Ala Ala Pro Val Val Ser Ala Arg Ser Asp	
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Ala Asp His Ser Gly Ser Asp Pro Pro Ser Ala Pro Ala Leu His Thr	
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Cys Phe Leu Val Asn Glu Gly Trp Ser Gln Leu Ala Ala Met His Cys	
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gtt atg ctg cca gac cta ctg gga ttg gat aaa ttt agg cct ccc ctt	3024
Val Met Leu Pro Asp Leu Leu Gly Leu Asp Lys Phe Arg Pro Pro Leu	
995 1000 1005	
ctg gag atg ctg gcc cga aga tgg caa gat cga tgc ttg gag gtg	3069

Leu Glu	Met Leu Ala Arg Arg	Trp Gln Asp Arg Cys	Leu Glu Val	
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Arg Glu	Ala Ala Gln Ala Leu	Leu Leu Ala Glu Leu	Arg Arg Ile	
1025	1030	1035		
gag cag	gca ggc agg aag gaa	gcc att gat gcc tgg	gct cct tac	3159
Glu Gln	Ala Gly Arg Lys Glu	Ala Ile Asp Ala Trp	Ala Pro Tyr	
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Leu Pro	Gln Tyr Ile Asp His	Val Ile Ser Pro Gly	Val Thr Ser	
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gaa gcc	gcg cag act atc acc	acg gct cct gat gcc	tca ggg cct	3249
Glu Ala	Ala Gln Thr Ile Thr	Thr Ala Pro Asp Ala	Ser Gly Pro	
1070	1075	1080		
gaa gca	aaa gtc cag gag gaa	gag cat gac ctt gtt	gac gat gac	3294
Glu Ala	Lys Val Gln Glu Glu	Glu His Asp Leu Val	Asp Asp Asp	
1085	1090	1095		
atc acc	act ggt tgc tta tca	agt gtc cca caa atg	aaa aaa att	3339
Ile Thr	Thr Gly Cys Leu Ser	Ser Val Pro Gln Met	Lys Lys Ile	
1100	1105	1110		
tct aca	tct tac gag gaa aga	cgg aag caa gct acc	gct att gtt	3384
Ser Thr	Ser Tyr Glu Glu Arg	Arg Lys Gln Ala Thr	Ala Ile Val	
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Leu Leu	Gly Val Ile Gly Ala	Glu Phe Gly Ala Glu	Ile Glu Pro	
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cct aaa	cta ttg acc aga cct	cga agc tct agc caa	att cct gag	3474
Pro Lys	Leu Leu Thr Arg Pro	Arg Ser Ser Ser Gln	Ile Pro Glu	
1145	1150	1155		
gga ttc	ggg ttg act agt ggt	gga tcc aac tac tcg	ctg gcc aga	3519
Gly Phe	Gly Leu Thr Ser Gly	Gly Ser Asn Tyr Ser	Leu Ala Arg	
1160	1165	1170		
cat act	tgc aag gca ctg acg	ttt ctt ctg cta cag	cct cca agc	3564
His Thr	Cys Lys Ala Leu Thr	Phe Leu Leu Leu Gln	Pro Pro Ser	
1175	1180	1185		
ccc aaa	ctt cct cca cac agc	act atc cga aga aca	gcc att gat	3609
Pro Lys	Leu Pro Pro His Ser	Thr Ile Arg Arg Thr	Ala Ile Asp	
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ctg att	gga cgt ggg ttc act	gtt tgg gag cct tac	atg gat gtg	3654
Leu Ile	Gly Arg Gly Phe Thr	Val Trp Glu Pro Tyr	Met Asp Val	
1205	1210	1215		
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Ser Ala	Val Leu Met Gly Leu	Leu Glu Leu Cys Ala	Asp Ala Glu	

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Ala Asp Ser Ala Arg Ser Ala Arg His Ala Leu Ser Leu Ile Ala			
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acc gcc aga cca ccc gcc ttc atc acc acc ata gcc aaa gag gta			3834
Thr Ala Arg Pro Pro Ala Phe Ile Thr Thr Ile Ala Lys Glu Val			
1265	1270	1275	
cac aga cat acg gct ctt gca gca aat acc caa tca cag cag aat			3879
His Arg His Thr Ala Leu Ala Ala Asn Thr Gln Ser Gln Gln Asn			
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Met His Thr Thr Thr Leu Ala Arg Ala Lys Gly Glu Ile Leu Arg			
1295	1300	1305	
gtc att gaa att ctt att gaa aag atg ccc aca gat gtt gtg gat			3969
Val Ile Glu Ile Leu Ile Glu Lys Met Pro Thr Asp Val Val Asp			
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ctt ctc gtg gag gtt atg gac atc att atg tac tgc ctt gaa gga			4014
Leu Leu Val Glu Val Met Asp Ile Ile Met Tyr Cys Leu Glu Gly			
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Ser Leu Val Lys Lys Lys Gly Leu Gln Glu Cys Phe Pro Ala Ile			
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Cys Arg Phe Tyr Met Val Ser Tyr Tyr Glu Arg Asn His Arg Ile			
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Ala Val Gly Ala Arg His Gly Ser Val Ala Leu Tyr Asp Ile Arg			
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Leu Gly Ser Ile Gly Met Leu Asn Ser Ala Pro Gln Leu Arg Cys			
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cgc aac gtc atc ctc atg gcc cat gac ggg aag gag cac cgc ttc	4464
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Met Val	
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Ser Val Glu Leu Gln Ile Asn Pro Arg Ala Leu Leu Phe Gly His Thr	
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Ala Ser Ile Thr Cys Leu Ser Lys Ala Cys Ala Ser Ser Asp Lys Gln	
65 70 75 80	
Tyr Ile Val Ser Ala Ser Glu Ser Gly Glu Met Cys Leu Trp Asp Val	
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Ser Asp Gly Arg Cys Ile Glu Phe Thr Lys Leu Ala Cys Thr His Thr	
100 105 110	
Gly Ile Gln Phe Tyr Gln Phe Ser Val Gly Asn Gln Arg Glu Gly Arg	
115 120 125	
Leu Leu Cys His Gly His Tyr Pro Glu Ile Leu Val Val Asp Ala Thr	
130 135 140	
Ser Leu Glu Val Leu Tyr Ser Leu Val Ser Lys Ile Ser Pro Asp Trp	
145 150 155 160	
Ile Ser Ser Met Ser Ile Ile Arg Ser His Arg Thr Gln Glu Asp Thr	
165 170 175	
Val Val Ala Leu Ser Val Thr Gly Ile Leu Lys Val Trp Ile Val Thr	
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Phe	Asp	Ala	Gly	Asp	Tyr	Ser	Leu	Leu	Cys	Ser	Gly	Pro	Ser	Glu	Asn	
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Gly	Gln	Thr	Trp	Thr	Gly	Gly	Asp	Phe	Val	Ser	Ser	Asp	Lys	Val	Ile	
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Ile	Trp	Thr	Glu	Asn	Gly	Gln	Ser	Tyr	Ile	Tyr	Lys	Leu	Pro	Ala	Ser	
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Cys	Leu	Pro	Ala	Ser	Asp	Ser	Phe	Arg	Ser	Asp	Val	Gly	Lys	Ala	Val	
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Glu	Asn	Leu	Ile	Pro	Pro	Val	Gln	His	Ile	Leu	Leu	Asp	Arg	Lys	Asp	
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Arg	Glu	Tyr	Phe	His	Lys	Leu	Leu	Ile	Gln	Gly	Asp	Ser	Ser	Gly	Arg	
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Leu	Asn	Ile	Trp	Asn	Ile	Ser	Asp	Thr	Ala	Asp	Lys	Gln	Gly	Ser	Glu	
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Ala	His	Gly	Arg	Leu	Val	Cys	Gly	Arg	Glu	Asp	Gly	Ser	Ile	Val	Ile	
			420					425					430			
Val	Pro	Ala	Thr	Gln	Thr	Ala	Ile	Val	Gln	Leu	Leu	Gln	Gly	Glu	His	
		435					440					445				
Met	Leu	Arg	Arg	Gly	Trp	Pro	Pro	His	Arg	Thr	Leu	Arg	Gly	His	Arg	
	450					455					460					
Asn	Lys	Val	Thr	Cys	Leu	Leu	Tyr	Pro	His	Gln	Val	Ser	Ala	Arg	Tyr	
465					470					475					480	
Asp	Gln	Arg	Tyr	Leu	Ile	Ser	Gly	Gly	Val	Asp	Phe	Ser	Val	Ile	Ile	
				485					490					495		
Trp	Asp	Ile	Phe	Ser	Gly	Glu	Met	Lys	His	Ile	Phe	Cys	Val	His	Gly	
			500					505					510			
Gly	Glu	Ile	Thr	Gln	Leu	Leu	Val	Pro	Pro	Glu	Asn	Cys	Ser	Ala	Arg	
		515					520					525				
Val	Gln	His	Cys	Ile	Cys	Ser	Val									

530		535		540
Leu Ser Leu Arg Glu Lys Lys Cys Ile Met Leu Ala Ser Arg His Leu				
545		550		560
Phe Pro Ile Gln Val Ile Lys Trp Arg Pro Ser Asp Asp Tyr Leu Val				
	565		570	575
Val Gly Cys Ser Asp Gly Ser Val Tyr Val Trp Gln Met Asp Thr Gly				
	580		585	590
Ala Leu Asp Arg Cys Val Met Gly Ile Thr Ala Val Glu Ile Leu Asn				
	595		600	605
Ala Cys Asp Glu Ala Val Pro Ala Ala Val Asp Ser Leu Ser His Pro				
	610		615	620
Ala Val Asn Leu Lys Gln Ala Met Thr Arg Arg Ser Leu Ala Ala Leu				
625		630		640
Lys Asn Met Ala His His Lys Leu Gln Thr Leu Ala Thr Asn Leu Leu				
	645		650	655
Ala Ser Glu Ala Ser Asp Lys Gly Asn Leu Pro Lys Tyr Ser His Asn				
	660		665	670
Ser Leu Met Val Gln Ala Ile Lys Thr Asn Leu Thr Asp Pro Asp Ile				
	675		680	685
His Val Leu Phe Phe Asp Val Glu Ala Leu Ile Ile Gln Leu Leu Thr				
	690		695	700
Glu Glu Ala Ser Arg Pro Asn Thr Ala Leu Ile Ser Pro Glu Asn Leu				
705		710		720
Gln Lys Ala Ser Gly Ser Ser Asp Lys Gly Gly Ser Phe Leu Thr Gly				
	725		730	735
Lys Arg Ala Ala Val Leu Phe Gln Gln Val Lys Glu Thr Ile Lys Glu				
	740		745	750
Asn Ile Lys Glu His Leu Leu Asp Asp Glu Glu Glu Asp Glu Glu Ile				
	755		760	765
Met Arg Gln Arg Arg Glu Glu Ser Asp Pro Glu Tyr Arg Ser Ser Lys				
	770		775	780
Ser Lys Pro Leu Thr Leu Leu Glu Tyr Asn Leu Thr Met Asp Thr Ala				
785		790		800
Lys Leu Phe Met Ser Cys Leu His Ala Trp Gly Leu Asn Glu Val Leu				
	805		810	815
Asp Glu Val Cys Leu Asp Arg Leu Gly Met Leu Lys Pro His Cys Thr				
	820		825	830
Val Ser Phe Gly Leu Leu Ser Arg Gly Gly His Met Ser Leu Met Leu				
	835		840	845
Pro Gly Tyr Asn Gln Pro Ala Cys Lys Leu Ser His Gly Lys Thr Glu				
	850		855	860
Val Gly Arg Lys Leu Pro Ala Ser Glu Gly Val Gly Lys Gly Thr Tyr				
865		870		880
			875	

Gly Val Ser Arg Ala Val Thr Thr Gln His Leu Leu Ser Ile Ile Ser
 885 890 895
 Leu Ala Asn Thr Leu Met Ser Met Thr Asn Ala Thr Phe Ile Gly Asp
 900 905 910
 His Met Lys Lys Gly Pro Thr Arg Pro Pro Arg Pro Ser Thr Pro Asp
 915 920 925
 Leu Ser Lys Ala Arg Gly Ser Pro Pro Thr Ser Ser Asn Ile Val Gln
 930 935 940
 Gly Gln Ile Lys Gln Val Ala Ala Pro Val Val Ser Ala Arg Ser Asp
 945 950 955 960
 Ala Asp His Ser Gly Ser Asp Pro Pro Ser Ala Pro Ala Leu His Thr
 965 970 975
 Cys Phe Leu Val Asn Glu Gly Trp Ser Gln Leu Ala Ala Met His Cys
 980 985 990
 Val Met Leu Pro Asp Leu Leu Gly Leu Asp Lys Phe Arg Pro Pro Leu
 995 1000 1005
 Leu Glu Met Leu Ala Arg Arg Trp Gln Asp Arg Cys Leu Glu Val Arg
 1010 1015 1020
 Glu Ala Ala Gln Ala Leu Leu Leu Ala Glu Leu Arg Arg Ile Glu Gln
 1025 1030 1035 1040
 Ala Gly Arg Lys Glu Ala Ile Asp Ala Trp Ala Pro Tyr Leu Pro Gln
 1045 1050 1055
 Tyr Ile Asp His Val Ile Ser Pro Gly Val Thr Ser Glu Ala Ala Gln
 1060 1065 1070
 Thr Ile Thr Thr Ala Pro Asp Ala Ser Gly Pro Glu Ala Lys Val Gln
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 Glu Glu Glu His Asp Leu Val Asp Asp Asp Ile Thr Thr Gly Cys Leu
 1090 1095 1100
 Ser Ser Val Pro Gln Met Lys Lys Ile Ser Thr Ser Tyr Glu Glu Arg
 1105 1110 1115 1120
 Arg Lys Gln Ala Thr Ala Ile Val Leu Leu Gly Val Ile Gly Ala Glu
 1125 1130 1135
 Phe Gly Ala Glu Ile Glu Pro Pro Lys Leu Leu Thr Arg Pro Arg Ser
 1140 1145 1150
 Ser Ser Gln Ile Pro Glu Gly Phe Gly Leu Thr Ser Gly Gly Ser Asn
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 Tyr Ser Leu Ala Arg His Thr Cys Lys Ala Leu Thr Phe Leu Leu Leu
 1170 1175 1180
 Gln Pro Pro Ser Pro Lys Leu Pro Pro His Ser Thr Ile Arg Arg Thr
 1185 1190 1195 1200
 Ala Ile Asp Leu Ile Gly Arg Gly Phe Thr Val Trp Glu Pro Tyr Met
 1205 1210 1215
 Asp Val Ser Ala Val Leu Met Gly Leu Leu Glu Leu Cys Ala Asp Ala

1220	1225	1230
Glu Lys Gln Leu Ala Asn Ile Thr Met Gly Leu Pro Leu Ser Pro Ala		
1235	1240	1245
Ala Asp Ser Ala Arg Ser Ala Arg His Ala Leu Ser Leu Ile Ala Thr		
1250	1255	1260
Ala Arg Pro Pro Ala Phe Ile Thr Thr Ile Ala Lys Glu Val His Arg		
1265	1270	1275
His Thr Ala Leu Ala Ala Asn Thr Gln Ser Gln Gln Asn Met His Thr		1280
1285	1290	1295
Thr Thr Leu Ala Arg Ala Lys Gly Glu Ile Leu Arg Val Ile Glu Ile		
1300	1305	1310
Leu Ile Glu Lys Met Pro Thr Asp Val Val Asp Leu Leu Val Glu Val		
1315	1320	1325
Met Asp Ile Ile Met Tyr Cys Leu Glu Gly Ser Leu Val Lys Lys Lys		
1330	1335	1340
Gly Leu Gln Glu Cys Phe Pro Ala Ile Cys Arg Phe Tyr Met Val Ser		
1345	1350	1355
Tyr Tyr Glu Arg Asn His Arg Ile Ala Val Gly Ala Arg His Gly Ser		1360
1365	1370	1375
Val Ala Leu Tyr Asp Ile Arg Thr Gly Lys Cys Gln Thr Ile His Gly		
1380	1385	1390
His Lys Gly Pro Ile Thr Ala Val Ala Phe Ala Pro Asp Gly Arg Tyr		
1395	1400	1405
Leu Ala Thr Tyr Ser Asn Thr Asp Ser His Ile Ser Phe Trp Gln Met		
1410	1415	1420
Asn Thr Ser Leu Leu Gly Ser Ile Gly Met Leu Asn Ser Ala Pro Gln		
1425	1430	1435
Leu Arg Cys Ile Lys Thr Tyr Gln Val Pro Pro Val Gln Pro Ala Ser		1440
1445	1450	1455
Pro Gly Ser His Asn Ala Leu Lys Leu Ala Arg Leu Ile Trp Thr Ser		
1460	1465	1470
Asn Arg Asn Val Ile Leu Met Ala His Asp Gly Lys Glu His Arg Phe		
1475	1480	1485
Met Val		
1490		

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